

## AMENDMENTS

In the claims:

Please cancel claim 4.

Please replace claims 1 and 15 with the following claims:

1. A method of producing nuclear transfer embryos from donor cells of a first species other than bovine and recipient bovine oocytes comprising:
  - inducing the donor cells to undergo G<sub>0</sub> arrest;
  - fusing said donor cell to an enucleated recipient bovine oocyte to create a nuclear transfer embryo;
  - and activating said nuclear transfer embryo.
  
15. A non-human nuclear transfer embryo comprising cytoplasm and cell membrane from a bovine oocyte and differentiated cytoplasm, differentiated cell membrane, and nucleus derived from a differentiated cell of a species other than bovine.